

What I claim as my invention is:

1. A method for initializing a customer premises telecommunications hub having a link to a central office comprising:

obtaining a configuration file name and a domain name of a TFTP file server from a DHCP server in a central office,

obtaining a configuration file, including a first binary file name, from the TFTP file server, and

creating a second binary file name by combining a model ID identifying the model of the hub with at least part of the first binary file name.

2. A method according to Claim 1, wherein:

said first binary file name includes a prefix identifying a model number, and said step of creating a second binary file name comprises replacing the prefix of said first binary file name with a prefix comprising the model number of said hub.

3. A method according to Claim 1, further comprising:

obtaining a binary file having the second binary file name from the TFTP file server.

4. A method according to claim 3, further comprising:

comparing the name of said binary file to said second binary file name.

5. A method according to claim 4, further comprising:

loading said binary file into a first flash memory partition in said hub and designating said first partition as the active partition.

6. A method according to Claim 5 further comprising:

rebooting said hub with said binary file in said first flash memory partition.

7. A method according to Claim 6 wherein:

said binary file is stored in compressed form in said first flash memory partition, and on rebooting, said file is expanded and loaded into RAM for operating said hub.

8. A method according to Claim 1, further comprising:

checking said first binary file name for the presence of a suffix identifying it as a binary file name, and, if such suffix is not present, adding a suffix identifying said first binary file name as a binary file name.

9. A method according to Claim 1, further comprising:

obtaining an IP address of a domain name server from said DHCP server in said central office, and

obtaining an IP address of said TFTP server from said domain name server.

10. A method for providing binary code to a customer premises telecommunications hub having a link to a central office comprising:

upon rebooting of the hub, sending a DHCP request to a central office DHCP server;

sending a configuration file name and a domain name of a TFTP server from the central office DHCP server to the hub;

sending a request for the configuration file from the hub to the TFTP server,

sending the configuration file, including a first binary file name, from the TFTP server to the hub, and

creating a second binary file name by combining a model ID identifying the model of the hub with at least part of the first binary file name.

11. The method of Claim 10 wherein:

said first binary file name includes a prefix identifying a model number, and said step of creating a second binary file name comprises replacing the prefix of said first binary file name with a prefix comprising the model number of said hub.

12. The method of Claim 10, further comprising:

sending a request for the binary file having said second binary file name from the hub to a configuration file server, and

sending the binary file having said second binary file name from the configuration file server to the hub.

13. The method of Claim 12 further comprising:  
comparing the name of said binary file to said second binary file name.
14. The method according to claim 13, further comprising:  
loading said binary file into a first flash memory partition in said hub and designating said first partition as the active partition.
15. The method according to claim 14, further comprising:  
rebooting said hub with said binary file in said first flash memory partition.
16. The method according to Claim 15 wherein:  
said binary file is stored in compressed form in said first flash memory partition, and on rebooting, said file is expanded and loaded into RAM for operating said hub.
17. The method according to Claim 16, further comprising:  
checking said first binary file name for the presence of a suffix identifying it as a binary file name, and, if such suffix is not present, adding a suffix identifying said first binary file name as a binary file name.

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

obtaining an IP address of said TFTP server from said domain name server.